

defects, the undersigned has discussed the presently attached substitute Sequence Listing with Mr. Mark Spencer of the Sequence Listing Help Desk at the Patent Office, and Mr. Spencer has approved the presently attached paper copy of the substitute Sequence Listing. Applicants respectfully submit that every effort has been made to put the present Sequence Listing into compliance with the governing rules.

Thus, in accordance with the requirements of 37 CFR Sections 1.821-1.825, Applicants are providing herewith the substitute paper copy of the Sequence Listing, along with a computer readable form of the Sequence Listing. The sequence disclosures in the Sequence Listing are fully supported by the specification as filed, and as such, do not introduce new matter. Entry of the substitute Sequence Listing into the present specification is respectfully requested.

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